

AMENDMENTS TO THE CLAIMS

1-15. (Canceled)

16. (Previously Presented) An optical switch, comprising:

at least one mirror array optically couplable to an optical signal; and

an optical component having a curved surface and spaced from said at least one mirror array by a distance (Z) greater than a focal length (Z_R) of a reflected optical signal from said at least one mirror array.

17. (Previously Presented) The optical switch recited in claim 16, wherein said curved surface has a radius of curvature equal to about $Z + (Z_R^2/Z)$.

18. (Previously Presented) The optical switch recited in claim 16, wherein said optical component is a mirror.

19. (Previously Presented) The optical switch recited in claim 18, wherein said curved surface is concave.

20. (Previously Presented) The optical switch recited in claim 18, wherein said curved surface is convex.

21. (Previously Presented) The optical switch recited in claim 18, wherein said mirror is a Mangin mirror.

22. (Previously Presented) The optical switch recited in claim 18, wherein said mirror is a compound Mangin mirror.
23. (Previously Presented) The optical switch recited in claim 16, wherein said optical component is a planar mirror having a bi-convex lens.
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24. ~~(Previously Presented) The optical switch recited in claim 16, wherein said optical component is a bi-convex lens.~~
25. (Currently Amended) The optical switch recited in claim 24 16, wherein said bi-convex lens further includes a patterned mirror therein.
26. (Previously Presented) The optical switch recited in claim 16, wherein said optical component and said at least one mirror array are capable of cooperating to route said optical signal between a first port and a second port in response to a control signal to said at least one mirror array.
27. (Previously Presented) The optical switch recited in claim 26, wherein said at least one mirror array includes a plurality of reflective elements and at least one of said plurality of reflective elements is configured to redirect said optical signal in response to said control signal to facilitate said routing.

28. (Previously Presented) The optical switch recited in the claim 26, wherein said at least one mirror array includes a first MEMS mirror array optically coupled to a second MEMS mirror array with said optical component therebetween.

29. (Previously Presented) The optical switch recited in claim 26, wherein said first port and said second port are separately located input and output ports, respectively.
